**Event**

# MPTS IJET
# AN 3104
# OFT

**Mission**

## AIRWAYS NAVIGATION SIMULATOR

## 1.5 HOURS/X

# ORM

***AN 3104***

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

# TTO

***AN 3104***

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

# ADMIN

***AN 3104***

- **QOD**
  - **NATOPS**
  - **EP**
  - **SOP**
- **PREREQUISITES**
  - **AN 3103**
- **MISC.**
  - **EVENT DURATION MUST BE AT LEAST 0.75 OF SYLLABUS TIME TO BE COMPLETE (1.1 HRS).**
  - **AN EVENT DURATION THAT DEVIATES GREATER THAN 0.3 HOURS FROM SYLLABUS TIME MUST HAVE THE REASON ANNOTATED ON THE GRADE SHEET.**

# SYLLABUS NOTES

***AN 3104***

- **SNA’S SHALL BRING A COPY OF THEIR DD-175 AND SINGLE ENGINE JET LOG TO ALL SIMULATOR EVENTS FOR INSTRUCTOR USE.**

- **THE HUD WILL BE AVAILABLE FOR USE ON ALL AN STAGE SIMULATORS.**

- **AN3102 AND AN3104-6 SHALL BE FLOWN IN THE OFT.**

# SYLLABUS NOTES

***AN 3104***

- **DURING THIS BLOCK, STUDENTS SHALL FLY AT LEAST THE APPROACHES LISTED BELOW:**
  - **TACAN/VOR DME 2 FULL PANEL/1 PARTIAL PANEL**
  - **VOR 1 FULL PANEL/1 PARTIAL PANEL**
  - **ASR 2 FULL PANEL**
  - **ILS 3 FULL PANEL/1 PARTIAL PANEL**
  - **PAR 1 FULL PANEL/1 PARTIAL PANEL**
  - **NO-GYRO GCA 2**
  - **STAR 1**
  - **LOW OIL APPROACH 1**
  - **MIN FUEL/EMERGENCY FUEL APPROACH 1**
  - **CIRCLE-TO-LAND 1**

# RECOMMENDED FLIGHT CONDUCT

***AN 3104***

***PREPARE A TERMINAL DELAY DD-175 & JET LOG FROM NAS PENSACOLA, FL (NPA) TO GULFPORT-BILOXI INTERNATIONAL, MS (GPT) AND RETURN TO NPA. CHOOSE AN ALTERNATE AIRFIELD BASED ON ATTACHED DD-175-1 & NOTAM INFORMATION. THE MCG REQUIRES GROUND OPERATIONS AT A STRANGE FIELD, HAVE THE NPA AIRPORT DIAGRAM AVAILABLE***

**DEPARTURE: NPA, START, TAXI TAKE OFF & RADAR DEPARTURE**

**ENROUTE: TERMINAL DELAY AT GPT & RETURN TO NPA**

**ARRIVAL: NPA INSTRUCTOR'S DISCRETION**

**NOTES: APPROACH REQUIREMENTS: HI TACAN, ILS,**

- **TACAN (P/P) & NO GYRO GCA.**
- **INTRODUCE ERRONEOUS GINA DATA**
- ADVISE YOUR IP HOW MANY/WHAT TYPE OF APPROACHES REMAIN PRIOR TO END OF BLOCK.

# DD-175-1 & NOTAMS

## AN 3104

### FLIGHT WEATHER BRIEFING

**PART I - TAKEOFF DATA**

| 1. DATE | 2. ACFT TYPE/NO. | 3. DEP PT/ETD | 4. RWY TEMP | 5. DEWPOINT | 6. TEMP DEV | 7. PRES ALT | 8. DENSITY ALT |
|---|---|---|---|---|---|---|---|
| 15 JAN 2011 | T-45C | NPA ---- Z | 67 °F/C | 65 °F/C | +8 | 50 FT | 100 FT |

| 9. SFC WIND | 10. CLIMB WINDS | 11. LOCAL WEATHER WATCH/WARNING/ADVISORY | 12. RSC/RCR |
|---|---|---|---|
| 9999 M/T | 230 / 15 | NONE | GOOD |

13. REMARKS/TAKEOFF ~~ALTN FCST~~
2 SM RA BKN 008 A 29.98

**PART II - ENROUTE & MISSION DATA**

| 14. FLT LEVEL/WINDS/TEMP | | 15. SPACE WEATHER | | | | 16. SOLAR/ LUNAR | | LOCATION | |
|---|---|---|---|---|---|---|---|---|---|
| | SEE ATTACHED | | NO IMPACT | MARGINAL | SEVERE | BMNT | Z | | |
| 15K 240/20<br>20K 250/25<br>25K 250/25 | | FREQ | | | | SR | Z | MR | Z |
| | | GPS | | | | SS | Z | MS | Z |
| | | RAD | | | | EENT | Z | ILLUM | % |

| 17. CLOUDS AT FLT LEVEL | | | 18. OBSCURATIONS AT FLT LEVEL RESTRICTING VISIBILITY | | |
|---|---|---|---|---|---|
| YES | NO | IN AND OUT | YES | NO | TYPE |
| X | | | | X | |

| 19. MINIMUM CEILING - LOCATION | 20. MAXIMUM CLOUD TOPS - LOCATION | 21. MINIMUM FREEZING LVL - LOCATION |
|---|---|---|
| FT AGL | FT MSL | FT MSL |

| 22. THUNDERSTORMS | | | | | 23. TURBULENCE | | | 24. ICING | | | | | 25. PRECIPITATION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CHART | | | | | CHART | | | CHART | | | | | CHART | | | | | |
| X | NONE | | AREA | | LINE | X | NONE | IN CLEAR | IN CLOUD | X | NONE | RIME | MIXED | CLEAR | | NONE | DRIZZLE | RAIN | SNOW | PELLET |
| | ISOLATED 1 - 2% | | | | | | LIGHT | | | | TRACE | | | | | LIGHT | | X | | |
| | FEW 3 - 15% | | | | | | MODERATE | | | | LIGHT | | | | | MODERATE | | | | |
| | SCATTERED 16 - 45% | | | | | | SEVERE | | | | MODERATE | | | | | HEAVY | | | | |
| | NUMEROUS - MORE THAN 45% | | | | | | EXTREME | | | | SEVERE | | | | | SHOWERS | | | | |
| HAIL, SEVERE TURBULENCE & ICING, HEAVY PRECIPITATION, LIGHTNING & WIND SHEAR EXPECTED IN AND NEAR THUNDERSTORMS. | | | | | | LEVELS | | | | LEVELS | | | | | FREEZING | | | | |
| | | | | | | | | | | | | | | | LOCATION | | | | | |
| LOCATION | | | | | | LOCATION | | | | LOCATION | | | | | SOUTH MS & AL, MOVING EAST | | | | | |

**PART III - AERODROME FORECASTS**

| 26. | 27. VALID TIME | 28. SFC WIND | 29. VSBY/WEA | 30. CLOUD LAYERS | 31. ALTIMETER | RWY TEMP | PRES ALT |
|---|---|---|---|---|---|---|---|
| DEST/~~ALTN~~<br>NPA | Z TO Z<br>----- | 330 / 10 M/T | 1 FG HZ | OVC005 | INS<br>29.96 | °F/~~C~~<br>67 | FT<br>50 |
| ~~DEST~~/ALTN<br>GPT | Z TO Z<br>----- | 330 / 12 M/T | 1 RA- | OVC006 | INS<br>29.98 | °F/~~C~~<br>70 | FT<br>70 |
| ~~DEST~~/ALTN<br>VPS | Z TO Z<br>---- | 320 / 12 M/T | 1 FG HZ | OVC005 | INS<br>29.96 | °F/~~C~~<br>67 | FT<br>50 |
| ~~DEST~~/ALTN<br>PNS | Z TO Z<br>---- | 330 / 10 M/T | 1 FG HZ | OVC005 | INS<br>29.96 | °F/~~C~~<br>67 | FT<br>50 |
| DEST/ALTN | Z TO Z | M/T | | | INS | °F/C | FT |
| DEST/ALTN | Z TO Z | M/T | | | INS | °F/C | FT |
| DEST/ALTN | Z TO Z | M/T | | | INS | °F/C | FT |
| DEST/ALTN | Z TO Z | M/T | | | INS | °F/C | INS |

**PART IV - COMMENTS/REMARKS**

| 32. BRIEFED RSC/RCR | | YES | | NOT AVAILABLE | 33. PMSV | 34. ATTACHMENTS | | YES | | NO |
|---|---|---|---|---|---|---|---|---|---|---|

35. REMARKS
NPA BASE OPS: N 30:21:00 W 87:19:00 29' HDG 180

**PART V - BRIEFING RECORD**

| 36. WX BRIEFED TIME | 37. FLIMSY BRIEFING NO. | 38. FORECASTER'S INITIALS | 39. NAME OF PERSON RECEIVING BRIEFING |
|---|---|---|---|
| Z | 15-004 | RJD | |
| **40. VOID TIME** | **41. EXTENDED TO/INITIALS** | **42. WX REBRIEF TIME/INITIALS** | **43. WX DEBRIEF TIME/INITIALS** |
| Z | Z | Z | AN3104: NPA OUT & IN Z |

**DD FORM 175-1, OCT 2002** PREVIOUS EDITION MAY BE USED. Reset

### AN3104 SIMULATOR NOTAMS NPA, GPT, VPS, PNS

Data Current as of: THE DAY OF YOUR FLIGHT

**NPA PENSACOLA NAS/FORREST SHERMAN FIELD/**

M0116/08 -MDA CHANGE, TACAN/HI-TACAN S-07R, CAT AB 440-1 415 (500-1),CAT C 440-1 1/4 415 (500-1 1/4), CAT D 440-1 1/4 415 (500-1 1/4), CAT E 440-1 1/2 415 (500-1 1/2). S-07L, CAT AB 440-1/2 417 (500-1/2), CAT CD 440-3/4 417 (500-3/4), CAT E 440-1 417 ((500-1). MDA CHANGE, ILS Y OR RNAV (GPS)07L, CAT AB 440-1 417 (500-1), CAT C 440-1 1/4 417 (500-1 1/4), CAT D 440-1 1/4 417 (500-1 1/4), CAT E 440-1 1/2 417 (500-1 1/2). TACAN RWY 07L -WHEN ALS INOP, INCREASE VIS CAT AB TO 1 MILE, CAT CD TO 1 1/4 MILES. HI-TACAN RWY 07L -WHEN ALS INOP, INCREASE VIS CAT CD TO 1 1/4 MILES, CAT E TO 1 1/2 MILES. ILS Y OR RNAV (GPS) RWY 07L -WHEN ALS INOP, INCREASE VIS CAT AB TO 1 MILE, CAT CD TO 1 1/4 MILES, CAT E TO 1 1/2 MILES. CORRECT MINIMUMS FOR ILS Y OR RNAV (GPS) WITH LIGHTS AS FOLLOWS: CAT AB 440-1/2 417 (500-1/2), CAT CD 440-3/4 417 (500-3/4), CAT E 440-1 417 (500-1). ...CREATED ----

**. GPT GULFPORT-BILOXI INTL**

!GPT 03/045 GPT RWY 18 VASI OTS

!FDC 8/3975 (KGPT A0158/08) GPT FI/T GULFPORT-BILOXI INTL, GULFPORT, MS HI TACAN RWY 32, AMDT 5... S-32: MDA 560/ HAT 532 ALL CATS, VIS CAT C 1 CAT D 1 1/4 CAT E 1 1/2. FOR INOPERATIVE MALSR INCREASE S-32 CAT E VISIBILITY TO 2. VDP NA.

**VPS EGLIN AFB**

M0327/08 -ILS MINIMUMS FOR RWY 19: CAT CDE VIS 3/4. 01 JAN 07:58 2011 UNTIL .... CREATED ----

**PNS PENSACOLA RGNL**

!FDC 8/8854 (KPNS A0167/08) PNS FI/T PENSACOLA RGNL, PENSACOLA, FL. RNAV (GPS) RWY 35, AMDT 1... LNAV/VNAV DA 507/HAT 404, VIS 1 1/2 ALL CATS CIRCLING CAT A MDA 600/HAA 479. TEMPORARY CRANE 249 MSL 5578 FEET WEST OF RWY 8 AND TEMPORARY CRANE 207 MSL 2233 FEET SE OF RWY 35

!FDC 8/8853 (KPNS A0166/08) PNS FI/T PENSACOLA RGNL, PENSACOLA, FL. RNAV (GPS) RWY 8, AMDT 1... LNAV/VNAV DA 595/HAT 498, VIS 1 3/4 ALL CATS TEMPORARY CRANE 249 MSL 5578 FEET WEST OF RWY 8

!FDC 8/8851 (KPNS A0164/08) PNS FI/T PENSACOLA RGNL, PENSACOLA, FL. LOC RWY 26, AMDT 1... CIRCLING CAT A MDA 600/HAA 479. TEMPORARY CRANE 249 MSL 5578 FEET WEST OF RWY 8

# SSR/DISCUSS ITEMS

***AN 3104***

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**
- **DISCUSS ITEMS:**
  - **QOD**
  - **EN ROUTE WEATHER UPDATES**
  - **IN-FLIGHT FUEL CALCULATIONS.**

***AN 3104***

# BLOCK MIF

| CTS REF | MANEUVER | AN3106 |
|---|---|---|
| 1 | General Knowledge/Procedures | 4+ |
| 2 | Emergency Procedures | 3+ |
| 3 | Headwork/Situational Awareness | 3+ |
| 4 | Basic Airwork | 4+ |
| 5 | Mission Planning/Briefing/Debriefing | 4+ |
| 6 | Communications | 3+ |
| 7 | Ground Operations | 4+ |
| 8 | Flight Admin | 4+ |
| 3 | Lost Communications | 4+ |
| 10 | Takeoff | 4+ |
| 11 | Departure | 4+ |
| 12 | Enroute Navigation | 4+ |
| 12 | Point-to-Point Navigation | 3+ |
| 1 8 | Route/Destination Change | 3+ |
| 15 | Holding | 4+ |
| 13 | Descent/Field Entry | 4+ |
| 12 | STAR | 3+ |
| 17 | Precision Approach | 4+ |
| 18 | Non-Precision Approach | 4+ |
| 17 18 5 | Partial Panel Approach | 4+ |
| 21 | Min/Emergency Fuel Approach | 4+ |
| 12 | Low Oil Approach | 4+ |
| 17 | No-Gyro GCA | 4+ |
| 19 | Circling Approach | 3+ |
| 20 | Missed Approach | 4+ |
| 20 5 | Partial Panel Missed Approach | 4+ |
| 23 | Landings | 3 |

# STANDARD DEBRIEFING FORMAT

***AN 3104***

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED